

I. AMENDMENTS

A. Listing of The Claims

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claims 1 to 67 (Canceled)

Claims 68 to 85 (Withdrawn)

86. (Currently Amended) An intracorneal insert for introduction into the cornea of a human eye, said insert comprising a physiologically compatible polymer comprised of at least one synthetic polymer and further comprising at least one elongated portion having a component with a radius of curvature, measured along the centroidal axis of the insert, greater than 5.0 mm, wherein the insert is adapted for implantation within a human cornea without extending into the sight area of the cornea, with said component extending in a meridional direction thereby to effect refractive correction.

87. (Previously Amended) The insert of claim 86, wherein said radius of curvature is at least 5.5 mm.

88. (Previously Amended) The insert of claim 86, wherein said radius of curvature is between 6.0 and 9.0 mm.

89. (Previously Amended) The insert of claim 86, wherein said radius of curvature is between 7.0 and 8.0 mm.

90. (Previously Amended) The insert of claim 86, wherein said meridional component has a radius of curvature approximating a human corneal curvature when placed in the eye.

91. (Previously Amended) The insert of claim 86, having a centroidal length of less than 3.0 mm.

92. (Previously Amended) The insert of claim 91, wherein said centroidal length is less than or equal to 2.5 mm.

93. (Previously Amended) The insert of claim 91, wherein said centroidal length is less than or equal 2.0 mm.

Claims 94 to 103 (Withdrawn)